

Amendment

Applicant respectfully requests the Examiner amend the present application as set forth below:

In the Specification:

Please amend the specification as follows:

Page 1, above line 5, insert the heading: BACKGROUND OF THE INVENTION.

Page 2, above line 34, insert the heading: SUMMARY OF THE INVENTION.

Page 9, above line 268, insert the heading: BRIEF DESCRIPTION OF THE DRAWINGS.

Page 9, below line 281, add the following paragraph:

Fig. 4 shows an electric machine according to an exemplary embodiment of the present invention as seen in the direction of its axes.

Page 9, above line 283, insert the heading: DETAILED DESCRIPTION OF THE INVENTION.

Page 10, please amend the paragraph beginning at line 316 as follows:

This illustrated embodiment of the electric machine 2 has a rotatable external rotor part 6 whose axis of rotation is indicated with an arrow 26. The stator part 4 is non-rotatable. In the rotational relative position of rotor part 6 relative to the stator part 4, as illustrated in Fig. 1, the windings 24 of all stator teeth 12 are activated. As soon as the rotor part 26 has moved a distance further in a counterclockwise direction, i.e., when are rotor poles 20 are each substantially opposite a stator pole 16, the current is turned off for all windings 24. The rotor part 6 continues to rotate due to inertia, and the currents through the coils or windings 24 ~~26~~ are

turned on again as soon as each rotor pole 20 is arranged substantially centrally between two adjacent stator poles 16.

Page 11, please amend the paragraph beginning at line 347 as follows:

Fig. 3 illustrates how flow passages 39 are formed that are closed on the face side of the stator teeth 12 and extend in a circumferential direction. The stator part 4 has mounted thereon an annular ~~component~~ enclosure 40 of U-shaped cross-section. ~~Component~~ Enclosure 40 consists, e.g., of ~~plastics~~ plastic material. The legs of ~~component~~ enclosure 40 have the sealing layer 28 resting thereon on the radial outside thereof. Arrow IV indicates the viewing direction of Figure 4, described below.

Page 11, please amend the paragraph beginning at line 354 as follows:

In the groove portions 14 and flow passages 39, respectively, there is provided e.g. electrically non-conducting oil as cooling medium. The cooling medium can enter one of the flow passages 39, e.g. at a specific location such as coolant supply 44 as shown in Figures 3 and 4, for example. It then flows in circumferential direction in this flow passage 39 and cools the winding head portions 38 on this face side of the stator part 4. The cooling medium can pass over, through the groove flow passages 14, to the other circumferential flow passage 39, thus cooling in the groove flow passages 14 the regions of the coils 24 located there. The cooling medium then flows in the other circumferential flow passage 39 and is discharged at such a location, such as coolant discharge 46 in Figures 3 and 4, for example, that the entire stator part 4 has been cooled. As illustrated by the drawing figures as well, the flow of the cooling medium establishes contact with the stator teeth 12 at numerous locations and, at the bottom of the respective groove 14, also with the base portion 10 of the stator part 4, so that heat is dissipated from the iron components of the stator part 4 as well.

Please add the following paragraph after line 378 on page 12:

Figure 4 shows the entire electric machine 2 (See Figure 1) as seen from the viewing direction indicated by arrow IV in Figure 3. In addition, Figure 4 shows exemplary locations for the at least one coolant supply 44 and at least one coolant discharge 46. Also shown in Figure 4 are circulation pump 48, heat exchanger 50, and external cooling circuit 52.